UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. R2184.0137/P137 Hideaki Hirai First Inventor

OPTICAL ELEMENT, OPTICAL PICKUP, etc.

Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b)) Box Patent Application **APPLICATION ELEMENTS** ADDRESS TO: Commissioner for Patents Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Computer Program (Appendix) Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 8. 2. See 37 CFR 1 27. (if applicable, all necessary) 125 Computer Readable Form (CRF) Specification 3. Х [Total Pages (preferred arrangement set forth below) Specification Sequence Listing on: Descriptive title of the invention - Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or - Statement Regarding Fed sponsored R & D Statements verifying identity of above copies Reference to sequence listing, a table C. or a computer program listing appendix - Background of the Invention ACCOMPANYING APPLICATIONS PARTS Brief Summary of the Invention - Brief Description of the Drawings (if filed) Assignment Papers (cover sheet & document(s)) 9. Х - Detailed Description 37 CFR 3.73(b) Statement Power of 10. - Abstract of the Disclosure Attorney (when there is an assignee) X Drawing(s) (35 U.S.C. 113) [Total Sheets 20 11 English Translation Document (if applicable) Copies of IDS Citations Information Disclosure Х 5 12. [Total Pages 5. Oath or Declaration Statement (IDS)/PTO-1449 13. Preliminary Amendment X | Newly executed (original or copy) Copy from a prior application (37 CFR 1.63(d)) Return Receipt Postcard (MPEP 503) 14. Х (Should be specifically itemized) (for continuation/divisional with Box 18 completed) Certified Copy of Priority Document(s) 15. Х **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, Nonpublication Request under 35 U.S.C 122 (b)(2)(B)(i). 16 Applicant must attach form PTO/SB/35 or its equivalent. see 37 CFR 1.63(d)(2) and 1.33(b) 17 Other. Application Data Sheet See 37 CFR 1 76 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1 76 Continuation-in-part (CIP) of prior application No.: Divisional Continuation Group / Art Unit: Prior application information: Examiner For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number or Bar Code Label DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Name Mark J. Thronson

City	Was	Washington US		DO	2	Zıp Code		20037-1526	
Country	US			(202) 785-9700		Fax		(202) 887-0689	
Name (Print/Type)		Mark J. Thronson			Registration No. (Attorney/Agen		t) 33,082		
Signature		400	1		1 1	Date	M	March 4, 2002	

Address

2101 L Street NW

The work of the term that the second second

Filing Date Herewith Filing Date Herewith Filing Date Herewith Filing Date Hideaki Hiral Filing Named Inventor Hideaki Hiral Filing Named Inventor Hideaki Hiral Filing Named Inventor No. 17 (Applicant claims small entity) status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (Inche all final apply) Applicant claims small entity status. See 37 CFR 1.27			Complete if Known							
Patent fives are subject to annual revision. Applicant claims small entity status: See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 2,718.00 Attorney Docket No. R 2184.0137/P137 METHOD OF PAYMENT (check all final apply) Cock Cock Cock Cock Dodg Noory Cock Cock Cock Cock Dodg Noory	FEE TRANSMITTAL		Applic	ation	Numbe	er Not Yet Assigned	Not Yet Assigned			
First Name of Invertion First Name of In	for EV 2002	Γ	Filing Date F			Herewith	-lerewith			
Applicant claims small entity status. See 37 CFR 1.27 TOTAL AMOUNT OF PAYMENT (\$) 2,718.00 METHOD OF PAYMENT (sneek all that apply) X Cneck Cordit Moorey Order Other None Order		First Named Inventor			i Inveni	tor Hideaki Hirai	Hideaki Hirai			
Attorney Docket No. R2184.0137/P137	Patent fees are subject to annual revision.	Examiner Name			ame	Not Yet Assigned	Not Yet Assigned			
METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued)	Applicant claims small entity status See 37 CFR 1.27	Group Art Unit				N/A	N/A			
METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued)						R2184 0137/P137	R2184.0137/P137			
Check Coed Mover Other None None Coed		/ actively positively								
Deposit		-	_			CALCULATION (continued)				
Large Entity Small Entity Smal		3. ADDITIONAL FEES								
Deposit O4-1073	X Deposit Account	Laura Fatita, Casall Entite								
Dickstein Shapiro Morin & Oshinsky LLP						Foo Description	1			
Shinisky LLP 127 50 227 25 Surcharge - late provisional filing fee or cover		Code	(\$)	Code	(\$)	ree Description	Fee Paid			
Name		105	130	205	65	Surcharge – late filing fee or oath				
X Charge fee(s) indicated below X Credit any overpayments 139 130 130 Non-English specification	Name Usninsky LLP	127	50	227						
Charge servy additional fee(s) during the pendency of this 147 2,520 147 2,520 147 2,520 148 2,520 149 2,5										
Charge fee(s) indicated below, except for the filing fee		139	130	139	130	Non-English specification				
Charge fee(s) indicated below, except for the filling fee to the above-Identified deposit account		147	2,520	147		,	I			
The provision of the	· ·	112	920*	112						
1. BASIC FILING FEE Large Entity Small Entity Fee Fee Description Fee Paid 116 400 216 200 Extension for reply within fird month	to the above-identified deposit account	113	1,840*	113						
117 920 217 460 Extension for reply within third month	FEE CALCULATION	115	110	215	55	Extension for reply within first month				
18	1. BASIC FILING FEE	116	400			• •				
Code (\$) Code Code Code (\$) Code Code Code Code (\$) Code		117	920	217	460	Extension for reply within third month				
101 740 201 370 Utilify filing fee 740 00 128 1,980 228 980 Extension for reply within fifth month 106 330 206 165 Design filing fee 120 320 220 180 Filing a brief in support of an appeal 120 320 221 140 Request for oral hearing 121 280 221 140 Request for oral hearing 122 280 221 140 Request for oral hearing 122 280 221 140 Request for oral hearing 122 280 280 Extension for reply within fifth month 120 320 220 180 Filing a brief in support of an appeal 121 280 221 140 Request for oral hearing 122 280 221 140 Request for oral hearing 122 130 Petition to revive – unravoidable 124 1,280 242 640 Utility issue fee (or reissue) 144 620 244 310 Plant issue fee 143 460 243 230 Design issue fee 144 620 244 310 Plant issue fee 144 620 244 310 Plant issue fee 146 180 Submission of Information Disclosure Strnt 126 180 Submission of Information Disclosure Strnt 126 180 Submission of Information Disclosure Strnt 146 740 246 370 370 Request for continued Examination (RCE) 180 900 1		118	1,440	218	720	Extension for reply within fourth month				
107 510 207 255 Plant filing fee 120 320 220 180 Filing a brief in support of an appeal 121 280 221 140 Request for oral hearing 131 1,510 138 1,5	710.00	128	1,960	228	980	Extension for reply within fifth month				
108 740 208 370 Reissue filing fee 114 160 214 80 Provisional filing fee 140 110 240 55 Petition to revive – unavoidable 141 1,280 241 640 Petition to revive – unavoidable 141 1,280 241 640 Petition to revive – unavoidable 141 1,280 241 640 Petition to revive – unintentional 142 1,280 242 640 Utility issue fee (or reissue) 143 460 243 230 Design issue fee 144 620 244 310 Plant issue fee 145 126 180 Submission of Information Disclosure Stmt 126 180 126 180 Submission of Information Disclosure Stmt 146 740 246 370 Siling a submission after final rejection 37 CFR 1.129(a) 198 249 240 240 140 Multiple dependent claims over original patent 149 740 249 370 For each additional invention to be examined (37 CFR 1.129(b)) 279 370 Request for continued Examination 620 Provided Reduced by Basic Filling Fee Paid Subtrotal (3 (\$) 40.00 140 Multiple Dependent claims over original patent 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370 149 740 249 370	106 330 206 165 Design filing fee	119	320	219	160	Notice of Appeal				
114 160 214 80 Provisional filing fee	107 510 207 255 Plant filing fee	120	320	220	160	Filing a brief in support of an appeal				
SUBTOTAL (1) (\$) 740.00 140 110 240 55 Petition to revive – unavoidable 141 1,280 241 640 Petition to revive – unintentional 141 1,280 241 640 141 1,280 242 6	108 740 208 370 Reissue filing fee	121	280	221		, -				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from Fee Paid 143 460 243 230 23	114 160 214 80 Provisional filing fee	I			•	•				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra	SUBTOTAL (1) (\$) 740.00									
Total Claims		4								
Total Claims	Frature Francisco	1				•				
Independent Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Code (\$) Code (\$	Claims below Fee Paid	1				•				
Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Law 200 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claims in excess of 20 109 84 209 42 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 1,938 00 ***or number previously paid, if greater; For Reissues, see above 123 50 123 50 Processing fee under 37 CFR 1.17(q) 126 180 126 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) Filing a submission after final rejection (37 CFR 1.129(a)) For each additional invention to be examined (37 CFR 1.129(b)) Examined (37 CFR 1.129(a)) For each additional invention to be examined (37 CFR 1.129(b)) For each additional invention (RCE) 169 900 169 900 Request for Continued Examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid **Reduced by Basic Filing Fee Paid **SUBTOTAL (3 (\$) 40.00 **All of the property (times number of properties) **Reduced by Basic Filing Fee Paid **Complete (if applicable) **Telephone (202) 775-4742	, out of the second of the sec						<u> </u>			
Large Entity Small Entity Fee Fee Fee Fee Fee Fee Code (\$) Code (\$) Code (\$) Fee Description 126 180 126 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) Filing a submission after final rejection (37 CFR 1.129(a)) For each additional invention to be examined (37CFR 1.129(b)) Request for Continued Examination (RCE) SUBTOTAL (2) (\$) 1,938 00 **Por number previously paid, if greater; For Reissues, see above 126 180 126 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) Filing a submission after final rejection (37 CFR 1.129(a)) For each additional invention to be examined (37CFR 1.129(b)) Request for Continued Examination (RCE) Regulated by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00 **Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00 **Reduced by Basic Filing Fee Paid **Registration No (Altomey/Agent) Registration No (Altomey/Agent) Registration No (Altomey/Agent) Recording each patent assignment per property (times number of properties) 40.00 **Recording each patent assignment per property (times number of properties) 40.00 **Thing a submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 40.00 **Thing a submission of Information Disclosure Stmt 40.00 **Thing a submission after final rejection (37 CFR 1.129(a)) Request for Continued Examination (RCE) Request for expedited examination of a design application Other fee (specify) **Reduced by Basic Filing Fee Paid **Registration No (Altomey/Agent) Registration No (Altomey/Agent) Registration No (Altomey/Agent)				-						
Fee	Multiple Dependent =	123	50	123	50	-				
Code (\$) Code (\$) Pee Description 103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claims over original patent 109 84 209 42 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 1,938 00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No (Altorney/Agent)	Large Entity Small Entity	126	180	126	180					
103 18 203 9 Claims in excess of 20 102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claims in over original patent 109 84 209 42 **Reissue independent claims over original patent 110 18 210 9 **Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$\$ 1,938.00 **Periodical invention in the examination of a design application **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Registration No (Attorney/Agent)	Fee Fee Fee Fee Fee Description	581	40	581	40		40.00			
104 280 204 140 Multiple dependent claim, if not paid 109 84 209 42 **Reissue independent claims over original patent 110 18 210 9 **Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$\frac{1}{3}\) 1,938 00 ***or number previously paid, if greater; For Reissues, see above SUBMITTED BY Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify) **Reduced by Basic Filing Fee Paid SUBTOTAL (3 (\$\frac{1}{3}\) 40.00 **Ormplete (if applicable) Registration No (Altorney/Agent) 33,082 Registration No (Altorney/Agent) Registration No (Altorney/Agent)	103 18 203 9 Claims in excess of 20	146	740	246	370	(37 ČFR 1.129(a))				
109 84 209 42 ** Reissue independent claims over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$\\$) 1,938.00 ** or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$\\$) 40.00 **Or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No (Altorney/Agent) 33,082 Telephone (202) 775-4742		149	740	249	370					
over original patent 110 18 210 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 1,938 00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Request for expedited examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3 (\$) 40.00 *Registration No (Attorney/Agent) 33,082 Telephone (202) 775-4742	109 84 209 42 ** Reissue independent claims	179	740	279	370	` ` ' ''				
SUBTOTAL (2) (\$) 1,938 00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Name (Print/Type) Mark J. Thronson Complete (if applicable) Registration No (Altorney/Agent) 33,082 Telephone (202) 775-4742		169	900	169	900					
*Reduced by Basic Filing Fee Paid SUBTOTAL (3 (\$) 40.00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No (Altorney/Agent) 33,082 Telephone (202) 775-4742		Other	of a design application							
**or number previously paid, if greater; For Reissues, see above SUBMITTED BY Name (Print/Type) Mark J. Thronson Registration No (Altomey/Agent) 33,082 Telephone (202) 775-4742 Name (Print/Type) Mark J. Thronson	SUBTOTAL (2) (4) 1 938 00				Filina Fee	e Paid SUBTOTAL (3 (\$)	40.00			
SUBMITTED BY Name (Print/Type) Mark J. Thronson Registration No (Attorney/Agent) 33,082 Telephone (202) 775-4742 Name (Print/Type) Mark J. Thronson		1,00	Reduced by Dasic Filling Fee Faild GODTOTAL (5 (4) 40.00							
Name (Print/Type) Mark J. Thronson Registration No (Attorney/Agent) 33,082 Telephone (202) 775-4742										
(Allohie)/Agent)				3,082	Telephone (202) 775-474.	2				
	Signature MAA	AROTT	ley/Ageni 1 ✓	<i>,</i> <u>L</u>	•					